

**RBSN / Rabenosyn 5 Antibody (aa145-194)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS15939****Specification**

---

**RBSN / Rabenosyn 5 Antibody (aa145-194) - Product Information**

Application	IHC, WB
Primary Accession	<a href="#">O9H1K0</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	89kDa KDa

**RBSN / Rabenosyn 5 Antibody (aa145-194) - Additional Information****Gene ID** 64145**Other Names**

Rabenosyn-5, 110 kDa protein, FYVE finger-containing Rab5 effector protein rabenosyn-5, RAB effector RBSN {ECO:0000312|HGNC:HGNC:20759}, Zinc finger FYVE domain-containing protein 20, RBSN ([http://www.genenames.org/cgi-bin/gene\\_symbol\\_report?hgnc\\_id=20759](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=20759))

**Target/Specificity**

ZFYVE20 Antibody detects endogenous levels of total ZFYVE20 protein.

**Reconstitution & Storage**

Store at -20°C for up to one year.

**Precautions**

RBSN / Rabenosyn 5 Antibody (aa145-194) is for research use only and not for use in diagnostic or therapeutic procedures.

**RBSN / Rabenosyn 5 Antibody (aa145-194) - Protein Information****Name** RBSN ([HGNC:20759](#))**Function**

Rab4/Rab5 effector protein acting in early endocytic membrane fusion and membrane trafficking of recycling endosomes. Required for endosome fusion either homotypically or with clathrin coated vesicles. Plays a role in the lysosomal trafficking of CTSD/cathepsin D from the Golgi to lysosomes. Also promotes the recycling of transferrin directly from early endosomes to the plasma membrane. Binds phospholipid vesicles containing phosphatidylinositol 3-phosphate (PtdInsP3) (PubMed: [11062261](http://www.uniprot.org/citations/11062261), PubMed: [11788822](http://www.uniprot.org/citations/11788822), PubMed: [15020713](http://www.uniprot.org/citations/15020713)). Plays a role in the recycling of transferrin receptor to the plasma membrane (PubMed: [22308388](http://www.uniprot.org/citations/22308388)).

### Cellular Location

Cell membrane; Lipid-anchor; Cytoplasmic side. Early endosome membrane; Lipid-anchor

Note=Enriched in endosomes that are in close proximity to clathrin- enriched regions at the cell surface.

### Volume

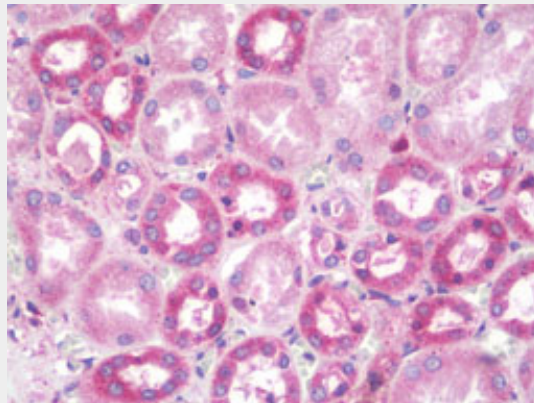
50  $\mu$ l

### RBSN / Rabenosyn 5 Antibody (aa145-194) - Protocols

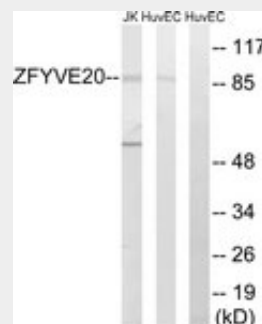
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### RBSN / Rabenosyn 5 Antibody (aa145-194) - Images



Anti-ZFYVE20 / Rabenosyn 5 antibody IHC staining of human kidney.



Western blot of extracts from HUVEC/Jurkat cells, using ZFYVE20 Antibody.

### RBSN / Rabenosyn 5 Antibody (aa145-194) - Background

Rab4/Rab5 effector protein acting in early endocytic membrane fusion and membrane trafficking of recycling endosomes. Required for endosome fusion either homotypically or with clathrin coated

vesicles. Plays a role in the lysosomal trafficking of CTSD/cathepsin D from the Golgi to lysosomes. Also promotes the recycling of transferrin directly from early endosomes to the plasma membrane. Binds phospholipid vesicles containing phosphatidylinositol 3-phosphate (PtdInsP3) (PubMed:11062261, PubMed:11788822, PubMed:15020713). Plays a role in the recycling of transferrin receptor to the plasma membrane (PubMed:22308388).

#### **RBSN / Rabenosyn 5 Antibody (aa145-194) - References**

Nielsen E., et al. J. Cell Biol. 151:601-612(2000).  
Ota T., et al. Nat. Genet. 36:40-45(2004).  
Muzny D.M., et al. Nature 440:1194-1198(2006).  
Totoki Y., et al. Submitted (MAR-2005) to the EMBL/GenBank/DDBJ databases.  
de Renzis S., et al. Nat. Cell Biol. 4:124-133(2002).